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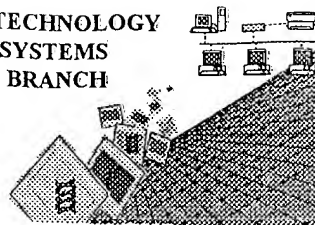
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BIOTECHNOLOGY
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1638
#12

RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/674,496
Source: 1600
Date Processed by STIC: 8/29/2002

RECEIVED

SEP 03 2002

TECH CENTER 1600/2900

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER**
VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>) , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name,
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two,
2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office,
Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002

NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

Applicant must file the items indicated below within the time period set the Office action to which the Notice is attached to avoid abandonment under 35 U.S.C. § 133 (extensions of time may be obtained under the provisions of 37 CFR 1.136(a)).

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s):

- ☐ 1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to the final rulemaking notice published at 55 FR 18230 (May 1, 1990), and 1114 OG 29 (May 15, 1990). If the effective filing date is on or after July 1, 1998, see the final rulemaking notice published at 63 FR 29620 (June 1, 1998) and 1211 OG 82 (June 23, 1998).
- ☐ 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).
- ☐ 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).
- ☐ 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing."
- ☒ 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).
- ☐ 6. The paper copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).
- ☐ 7. Other: _____

Applicant Must Provide:

- ☒ An initial or substitute computer readable form (CRF) copy of the "Sequence Listing".
- ☐ An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification.
- ☒ A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d).

For questions regarding compliance to these requirements, please contact:

For Rules Interpretation, call (703) 308-4216

For CRF Submission Help, call (703) 308-4212

PatentIn Software Program Support

Technical Assistance.....703-287-0200

To Purchase PatentIn Software.....703-306-2600

PLEASE RETURN A COPY OF THIS NOTICE WITH YOUR REPLY

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 09/674,496

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 ✓ Variable Length Sequence(s) 1 contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 Skipped Sequences
 (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped

 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 Skipped Sequences
 (NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000
- 9 Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
 In <220> to <223> section, please explain location of n or Xaa; and which residue n or Xaa represents.
- 10 Invalid <213>
 Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.
 Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
 (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.



1600

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/674,496

DATE: 08/29/2002

TIME: 12:51:33

Input Set : A:\199463USOXPCT.ST25.txt

Output Set: N:\CRF3\08292002\I674496.raw

Does Not Comply
Corrected Diskette Needed

pr 1-2

3 <110> APPLICANT: BERNARD, DELOBEL
4 ANNIE, GRENIER
5 JACQUES, GUEGEN
6 ERIC, FERRASSON
7 MBAIGUINAM, MBAILAO
9 <120> TITLE OF INVENTION: USE OF POLYPEPTIDE DERIVED FROM A PA 1B LEGUME ALBUMEN AS
INSECTICIDE
11 <130> FILE REFERENCE: 199463USOXPCT
13 <140> CURRENT APPLICATION NUMBER: US 09/674,496
14 <141> CURRENT FILING DATE: 2001-01-11
16 <150> PRIOR APPLICATION NUMBER: PCT/FR99/01085
17 <151> PRIOR FILING DATE: 1999-05-07
19 <150> PRIOR APPLICATION NUMBER: FR 98/05877
20 <151> PRIOR FILING DATE: 1998-05-11
22 <160> NUMBER OF SEQ ID NOS: 8
24 <170> SOFTWARE: PatentIn version 3.1
26 <210> SEQ ID NO: 1
27 <211> LENGTH: 13
28 <212> TYPE: PRT
29 <213> ORGANISM: ARTIFICIAL SEQUENCE
31 <220> FEATURE:
32 <223> OTHER INFORMATION: SYNTHETIC PEPTIDE
34 <220> FEATURE:
35 <221> NAME/KEY: MISC_FEATURE
36 <222> LOCATION: (1)..(1)
37 <223> OTHER INFORMATION: X IS 2 TO 10 AMINO ACIDS
40 <220> FEATURE:
41 <221> NAME/KEY: MISC_FEATURE
42 <222> LOCATION: (3)..(3)
43 <223> OTHER INFORMATION: X IS 2 TO 5 AMINO ACIDS
46 <220> FEATURE:
47 <221> NAME/KEY: MISC_FEATURE
48 <222> LOCATION: (5)..(5)
49 <223> OTHER INFORMATION: X IS 4 TO 10 AMINO ACIDS
52 <220> FEATURE:
53 <221> NAME/KEY: MISC_FEATURE
54 <222> LOCATION: (7)..(7)
55 <223> OTHER INFORMATION: X IS 3 TO 10 AMINO ACIDS
58 <220> FEATURE:
59 <221> NAME/KEY: MISC_FEATURE
60 <222> LOCATION: (9)..(9)
61 <223> OTHER INFORMATION: X IS 2 TO 4 AMINO ACIDS
64 <220> FEATURE:
65 <221> NAME/KEY: MISC_FEATURE

see p. 2, also

variable length not
permitted (see
item 5 on
Errata
summary
sheet)

RAW SEQUENCE LISTING

DATE: 08/29/2002

PATENT APPLICATION: US/09/674,496

TIME: 12:51:33

Input Set : A:\199463USOXPCT.ST25.txt

Output Set: N:\CRF3\08292002\I674496.raw

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66 <222> LOCATION: (11)..(11)
67 <223> OTHER INFORMATION: X IS 7 TO 15 AMINO ACIDS
70 <220> FEATURE:
71 <221> NAME/KEY: MISC_FEATURE
72 <222> LOCATION: (13)..(13)
73 <223> OTHER INFORMATION: X IS 2 TO 10 AMINO ACIDS
76 <400> SEQUENCE: 1
W--> 78 Xaa Cys Xaa Cys Xaa Cys Xaa Cys Xaa Cys Xaa Cys Xaa
79 1 5 10
82 <210> SEQ ID NO: 2
83 <211> LENGTH: 7
84 <212> TYPE: PRT
85 <213> ORGANISM: ARTIFICIAL SEQUENCE
87 <220> FEATURE:
88 <223> OTHER INFORMATION: SYNTHETIC PEPTIDE
90 <220> FEATURE:
91 <221> NAME/KEY: MISC_FEATURE
92 <222> LOCATION: (1)..(1)
93 <223> OTHER INFORMATION: X is an amino acid chosen from alanine, serine, glycine and
threo
94 nine
97 <220> FEATURE:
98 <221> NAME/KEY: MISC_FEATURE
99 <222> LOCATION: (2)..(2)
100 <223> OTHER INFORMATION: X is proline
103 <220> FEATURE:
104 <221> NAME/KEY: MISC_FEATURE
105 <222> LOCATION: (6)..(6)
106 <223> OTHER INFORMATION: X is proline
109 <220> FEATURE:
110 <221> NAME/KEY: MISC_FEATURE
111 <222> LOCATION: (7)..(7)
112 <223> OTHER INFORMATION: X is proline
115 <220> FEATURE:
116 <221> NAME/KEY: MISC_FEATURE
117 <222> LOCATION: (3)..(3)
118 <223> OTHER INFORMATION: X is an amino acid chosen from phenylalanine, tryptophan and
tyro
119 sine
122 <220> FEATURE:
123 <221> NAME/KEY: MISC_FEATURE
124 <222> LOCATION: (4)..(4)
125 <223> OTHER INFORMATION: X is an amino acid chosen from aspartic acid or glutamic
acid
128 <220> FEATURE:
129 <221> NAME/KEY: MISC_FEATURE
130 <222> LOCATION: (5)..(5)
131 <223> OTHER INFORMATION: X is an amino acid chosen from valine, leucine, isoleucine
and me
132 thionine
135 <400> SEQUENCE: 2
W--> 137 Xaa Xaa Xaa Xaa Xaa Xaa Xaa
138 1 5

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RAW SEQUENCE LISTING

DATE: 08/29/2002

PATENT APPLICATION: US/09/674,496

TIME: 12:51:33

Input Set : A:\199463USOXPCT.ST25.txt

Output Set: N:\CRF3\08292002\I674496.raw

141 <210> SEQ ID NO: 3
 142 <211> LENGTH: 4
 143 <212> TYPE: PRT
 144 <213> ORGANISM: ARTIFICIAL SEQUENCE
 146 <220> FEATURE:
 147 <223> OTHER INFORMATION: SYNTHETIC PEPTIDE
 149 <220> FEATURE:
 150 <221> NAME/KEY: MISC_FEATURE
 151 <222> LOCATION: (2)..(2) ✓
 152 <223> OTHER INFORMATION: X is an amino acid chosen from alanine, serine, glycine and
 threo
 153 nine
 156 <220> FEATURE:
 157 <221> NAME/KEY: MISC_FEATURE ✓
 158 <222> LOCATION: (4)..(4)
 159 <223> OTHER INFORMATION: X is an amino acid chosen from alanine, serine, glycine,
 threonin
 160 e, aspartic acid and glutamic acid
 163 <220> FEATURE:
 164 <221> NAME/KEY: MISC_FEATURE
 165 <222> LOCATION: (3)..(3)
 166 <223> OTHER INFORMATION: X is an amino acid chosen from alanine, serine, glycine,
 threonin
 167 e and a basic residue
 170 <220> FEATURE:
 171 <221> NAME/KEY: MISC_FEATURE ✓
 172 <222> LOCATION: (1)..(1)
 173 <223> OTHER INFORMATION: X is an amino acid chosen from alanine, serine, glycine,
 threonin
 174 e and a basic residue
 177 <400> SEQUENCE: 3
 179 Xaa Xaa Xaa Xaa
 180 1
 183 <210> SEQ ID NO: 4
 184 <211> LENGTH: 9
 185 <212> TYPE: PRT
 186 <213> ORGANISM: ARTIFICIAL SEQUENCE
 188 <220> FEATURE:
 189 <223> OTHER INFORMATION: SYNTHETIC PEPTIDE
 191 <220> FEATURE:
 192 <221> NAME/KEY: MISC_FEATURE
 193 <222> LOCATION: (1)..(1)
 194 <223> OTHER INFORMATION: X is an amino acid chosen from valine, leucine, isoleucine
 and me
 195 thionine
 198 <220> FEATURE:
 199 <221> NAME/KEY: MISC_FEATURE
 200 <222> LOCATION: (3)..(3)
 201 <223> OTHER INFORMATION: X is an amino acid chosen from valine, leucine, isoleucine
 and me
 202 thionine
 205 <220> FEATURE:
 206 <221> NAME/KEY: MISC_FEATURE

207 <222> LOCATION: (2)..(2)

208 <223> OTHER INFORMATION: X is proline

RAW SEQUENCE LISTING

DATE: 08/29/2002

PATENT APPLICATION: US/09/674,496

TIME: 12:51:33

Input Set : A:\199463USOXPCT.ST25.txt

Output Set: N:\CRF3\08292002\I674496.raw

211 <220> FEATURE:
 212 <221> NAME/KEY: MISC_FEATURE
 213 <222> LOCATION: (4)..(4)
 214 <223> OTHER INFORMATION: X is an amino acid chosen from alanine, serine, glycine and
 threo
 215 nine
 218 <220> FEATURE:
 219 <221> NAME/KEY: MISC_FEATURE
 220 <222> LOCATION: (8)..(8)
 221 <223> OTHER INFORMATION: X is an amino acid chosen from alanine, serine, glycine and
 threo
 222 nine
 225 <220> FEATURE:
 226 <221> NAME/KEY: MISC_FEATURE
 227 <222> LOCATION: (6)..(6)
 228 <223> OTHER INFORMATION: X is an amino acid chosen from valine, leucine, isoleucine,
 methi
 229 onine, phenylalanine, tryptophan and tyrosine
 232 <220> FEATURE:
 233 <221> NAME/KEY: MISC_FEATURE
 234 <222> LOCATION: (9)..(9)
 235 <223> OTHER INFORMATION: X is an amino acid chosen from phenylalanine, tryptophan and
 tyro
 236 sine
 239 <220> FEATURE:
 240 <221> NAME/KEY: MISC_FEATURE
 241 <222> LOCATION: (5)..(5)
 242 <223> OTHER INFORMATION: X is an amino acid chosen from valine, leucine, isoleucine
 and me
 243 thionine
 246 <220> FEATURE:
 247 <221> NAME/KEY: MISC_FEATURE
 248 <222> LOCATION: (7)..(7)
 249 <223> OTHER INFORMATION: X is an amino acid chosen from valine, leucine, isoleucine
 and me
 250 thionine
 253 <400> SEQUENCE: 4
 255 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 256 1 5
 259 <210> SEQ ID NO: 5
 260 <211> LENGTH: 5
 261 <212> TYPE: PRT
 262 <213> ORGANISM: ARTIFICIAL SEQUENCE
 264 <220> FEATURE:
 265 <223> OTHER INFORMATION: SYNTHETIC PEPTIDE
 267 <220> FEATURE:
 268 <221> NAME/KEY: MISC_FEATURE
 269 <222> LOCATION: (1)..(1)
 270 <223> OTHER INFORMATION: X is a basic amino acid or an amino acid chosen from valine,
 leuc
 271 ine, isoleucine and methionine
 274 <220> FEATURE:
 275 <221> NAME/KEY: MISC_FEATURE

276 <222> LOCATION: (2)..(2)

277 <223> OTHER INFORMATION: X is asparagine or glutamine or a basic amino acid

280 <220> FEATURE:

RAW SEQUENCE LISTING

DATE: 08/29/2002

PATENT APPLICATION: US/09/674,496

TIME: 12:51:33

Input Set : A:\199463USOXPCT.ST25.txt

Output Set: N:\CRF3\08292002\I674496.raw

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281 <221> NAME/KEY: MISC_FEATURE
282 <222> LOCATION: (3)..(3)
283 <223> OTHER INFORMATION: X is proline
286 <220> FEATURE:
287 <221> NAME/KEY: MISC_FEATURE
288 <222> LOCATION: (4)..(4)
289 <223> OTHER INFORMATION: X is an amino acid chosen from alanine, serine, glycine and
threo
290     nine
293 <220> FEATURE:
294 <221> NAME/KEY: MISC_FEATURE
295 <222> LOCATION: (5)..(5)
296 <223> OTHER INFORMATION: X is an amino acid chosen from alanine, serine, glycine and
threo
297     nine
300 <400> SEQUENCE: 5
QW-> 302 Xaa Xaa Xaa Xaa Xaa
303 1     5
306 <210> SEQ ID NO: 6
307 <211> LENGTH: 37
308 <212> TYPE: PRT
309 <213> ORGANISM: ARTIFICIAL SEQUENCE
311 <220> FEATURE:
312 <223> OTHER INFORMATION: SYNTHETIC PEPTIDE
314 <400> SEQUENCE: 6
316 Ala Ser Cys Asn Gly Val Cys Ser Pro Phe Glu Met Pro Pro Cys Gly
317 1     5     10     15
320 Thr Ser Ala Cys Arg Cys Ile Pro Val Gly Leu Val Ile Gly Tyr Cys
321     20     25     30
324 Arg Asn Pro Ser Gly
325     35
328 <210> SEQ ID NO: 7
329 <211> LENGTH: 37
330 <212> TYPE: PRT
331 <213> ORGANISM: ARTIFICIAL SEQUENCE
333 <220> FEATURE:
334 <223> OTHER INFORMATION: SYNTHETIC PEPTIDE
336 <400> SEQUENCE: 7
338 Ala Ser Cys Asn Gly Val Cys Ser Pro Phe Glu Met Pro Pro Cys Gly
339 1     5     10     15
342 Thr Ser Ala Cys Arg Cys Ile Pro Val Gly Leu Val Val Gly Tyr Cys
343     20     25     30
346 Arg Asn Pro Ser Gly
347     35
350 <210> SEQ ID NO: 8
351 <211> LENGTH: 37
352 <212> TYPE: PRT
353 <213> ORGANISM: ARTIFICIAL SEQUENCE
355 <220> FEATURE:
356 <223> OTHER INFORMATION: SYNTHETIC PEPTIDE
358 <400> SEQUENCE: 8

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/674,496

DATE: 08/29/2002
TIME: 12:51:34

Input Set : A:\199463USOXPCT.ST25.txt
Output Set: N:\CRF3\08292002\I674496.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1,3,5,7,9,11,13
Seq#:2; Xaa Pos. 1,2,3,4,5,6,7
Seq#:3; Xaa Pos. 1,2,3,4
Seq#:4; Xaa Pos. 1,2,3,4,5,6,7,8,9
Seq#:5; Xaa Pos. 1,2,3,4,5